

## Product datasheet for PH304054

### PGAM1 (NM\_002629) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PGAM1 MS Standard C13 and N15-labeled recombinant protein (NP_002620)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204054
Predicted MW:	28.8 kDa
Protein Sequence:	>RC204054 protein sequence Red=Cloning site Green=Tags(s)  MAAYKLVLIRHGESAWNLENRFSGWYDADLSPAGHEEAKRGGQALRDAGYEFDICFTSVQKRAIRTLWTV LDAIDQMWL PVVRTWRLNERHYGGLTGLNKAETA AKHGAEQVKIWRRSYDVPPPPMPDPHPFYSNISKDR RYADLTEDQLPSCESLKDTIARALPFWNEEIVPQIKEGKRVLIAAHGNSLRGIVKHLEGLSEEAIMELNL PTGIPIVYELDKNLKPIKPMQFLGDEETVRKAMEAVAAQ GKAKK  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_002620</a>
RefSeq Size:	1762
RefSeq ORF:	762
Synonyms:	HEL-S-35; PGAM-B; PGAMA
Locus ID:	5223
UniProt ID:	<a href="#">P18669</a> , <a href="#">Q6FHU2</a>



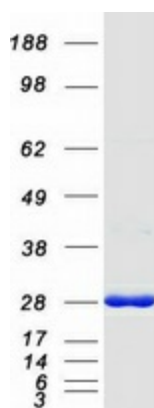
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Cytogenetics: 10q24.1

**Summary:** The protein encoded by this gene is a mutase that catalyzes the reversible reaction of 3-phosphoglycerate (3-PGA) to 2-phosphoglycerate (2-PGA) in the glycolytic pathway. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]

**Protein Pathways:** Glycolysis / Gluconeogenesis, Metabolic pathways

### Product images:



Coomassie blue staining of purified PGAM1 protein (Cat# [TP304054]). The protein was produced from HEK293T cells transfected with PGAM1 cDNA clone (Cat# [RC204054]) using MegaTran 2.0 (Cat# [TT210002]).